

Application No.: 10/691,172

Amendment dated: January 30, 2006

Reply to Restriction Requirement dated: December 29, 2005

AMENDMENT TO THE CLAIMS

1. (Original) A system for manufacturing a hard disc drive suspension flexure comprising:
a first electrical trace to be coupled to a base element, wherein
said base element includes an insulative layer and a conductive layer, said insulative layer being
sandwiched between said first electrical trace and said conductive layer, and said conductive
layer including a recess opposite the electrical trace.
2. (Original) The system of claim 1, wherein said first electrical trace is selected from the
group consisting of copper, gold, nickel alloy, platinum, and tin.
3. (Original) The system of claim 1, wherein the insulative layer is polyimide.
4. (Original) The system of claim 1, wherein the conductive layer is stainless steel.
5. (Original) The system of claim 1, wherein said recess is created by an etching process.
6. (Original) The system of claim 5, wherein said etching process removes all of said
conductive layer directly opposite of the first electrical trace.
7. (Original) The system of claim 1, wherein said recess is to be filled with a first insulation
material.
8. (Original) The system of claim 7, wherein said first insulation material is selected from
the group consisting of plastic, epoxy, and polyimide.

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9. (Original) The system of claim 7, wherein said first insulation material is to be applied by a method selected from the group consisting of plating, printing, air spraying, and vacuum lamination.
10. (Original) The system of claim 7, wherein said first insulation material is opposite a read/write electrical trace and is 5 to 10 micro-meters(um) in thickness.
11. (Original) The system of claim 7, wherein said first insulation material is opposite a micro-actuator electrical trace and is 10 to 20 micro-meters(um) in thickness.
12. (Original) The system of claim 1, further comprising a second electrical trace adjacent said first electrical trace, wherein a layer of second insulation material is to be applied between said first electrical trace and said second electrical trace.
13. (Original) The system of claim 12, wherein said second insulation material is selected from the group consisting of plastic, epoxy, and polyimide.
14. (Original) The system of claim 12, wherein said second insulation material is to be applied by a method selected from the group consisting of plating, printing, air spraying, and vacuum lamination.
15. (Original) The system of claim 12, wherein said second insulation material is between a first and a second read/write electrical trace and is 10 to 15 micro-meters(um) in width.

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16. (Original) The system of claim 12, wherein said second insulation material is between a first and a second micro-actuator electrical trace and is 15 to 25 micro-meters(μm) in width.

17-32 (Cancelled)